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## DIVIDING MONOMIALS WORKSHEET II

1) Divide  $6x^2$  by 2.

2) Evaluate:  $\frac{35x^4}{7x}$

3) On dividing  $9y^8$  by  $15y^2$  we will get  $3.5y^5$ .

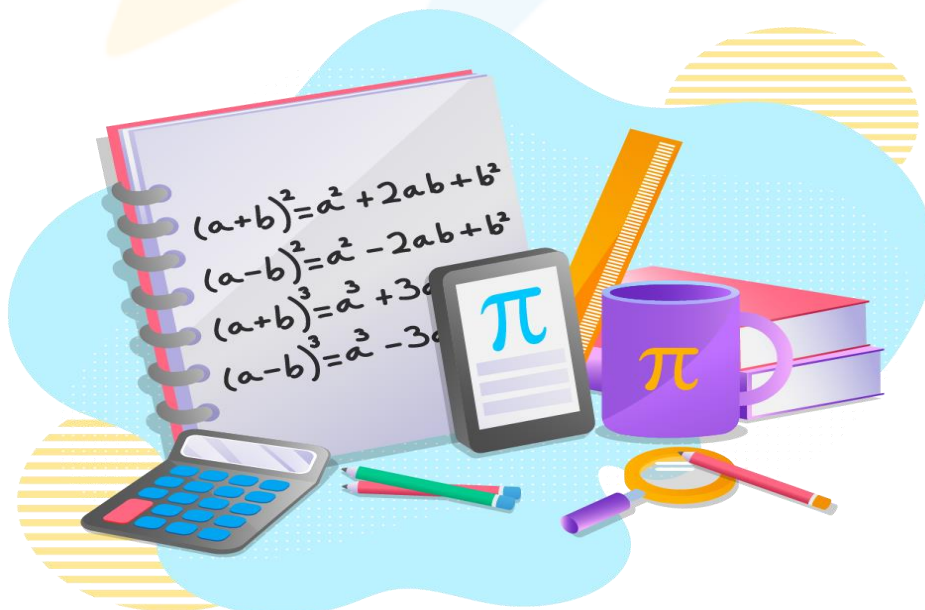
- a) True
- b) False

4)  $\frac{39z^{10}}{3z^7} = 13z^3$

- a) True
- b) False

5)  $\frac{64b^3+40b^5}{8b^2}$

- a)  $64b + 5b^3$
- b)  $8b + 40b^3$
- c)  $8b + 5b^3$
- d)  $64b^2 + 5b^3$



6) Simplify:  $3p^4q^2r^5/p^2qr$

a)  $3p^2qr^4$

b)  $3p^3qr^4$

c)  $3p^2qr^2$

d)  $3p^4qr^2$

7) Match the following:

a-  $12a^3/6a$

p-  $-14a^2$

b-  $49a^3/(-49a)$

q-  $17a^2$

c-  $(28a^7)/(-2a^5)$

r-  $2a^2$

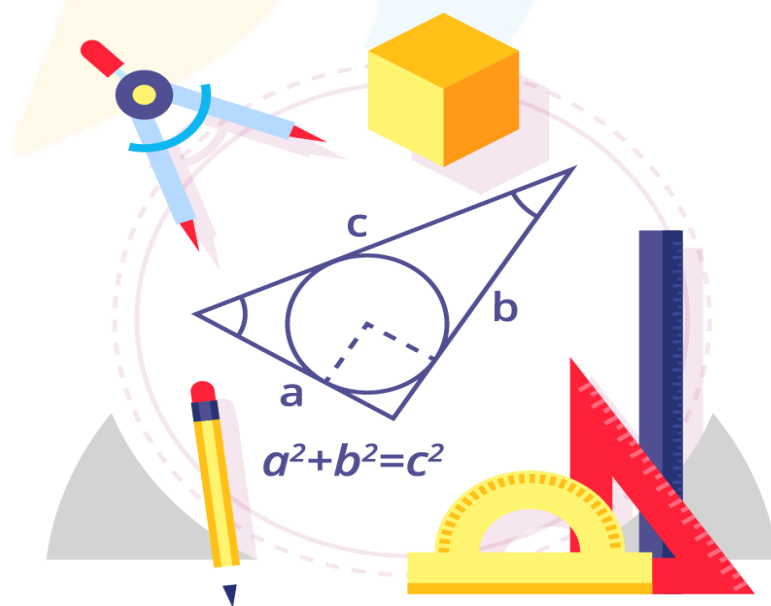
d-  $17a^3/a$

s-  $-a^2$

8) Divide the first polynomial by second:  $18pq^2, (-3p)$

9) If the area of a rectangle is  $63y^2$  and its length is  $7y$ . Find its width.

10) Area of a triangle is given by  $20p^2$ . If its height is  $5p$ , find its width.



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	$3x^2$
2)	$5x^3$
3)	False
4)	True
5)	c) $8b + 5b^3$
6)	a) $3p^2qr^4$
7)	r-a b-s c-p d-q
8)	$-6q^2$
9)	$9y$
10)	4

## FUN FACT

1. The word “**mono**” means one and “**mial**” means term. So, a monomial is a polynomial with only one term.
2. A monomial can be a constant, a variable, or the product of one or more constants and variables.
3. When we multiply a constant by a monomial, you get another monomial.

